



S/N 10/608,583

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Wurdell et al.	Examiner:	Unknown
Serial No.:	10/608,583	Group Art Unit:	1734
Filed:	June 23, 2003	Docket No.:	2968.230USU1
Title:	WASTELESS LAMINATOR		

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, Mail Stop Petition, P.O. Box 1450, Alexandria, VA 22313-1450 on November 25, 2003.

By: 

Name: Kate Gannon

PETITION UNDER 37 C.F.R. §1.47(a)

Mail Stop Petition
Commissioner for Patents
Alexandria, VA 22313-1450

Dear Sir:

Applicants respectfully petition the Commissioner under 37 CFR 1.47(a) to allow this application to proceed without one of the named inventors, Grant H. Wurdell. A declaration signed by inventor Steven J. Fitzsimmons is enclosed. In support of the petition, the following is provided:

A declaration was provided to Mr. Wurdell for execution. All inventors signed the declaration with the exception of Mr. Wurdell. Applicants submit that due diligence was exhibited in obtaining Mr. Wurdell's signature. In support of this assertion, Applicants enclose a signed declaration by the undersigned, Applicant's representative and a person having first hand knowledge of the efforts to obtain Mr. Wurdell's signature. Applicants further submit supporting documentation relating to these efforts.

Applicants respectfully submit that the period of time that has elapsed since the application papers were presented to Mr. Wurdell for signature should be construed as a refusal by Mr. Wurdell to execute to the Combined Declaration and Power of Attorney.

Please find enclosed the petition fee of \$130.00. Charge any other fee that may be necessary in consideration of this petition, to Merchant & Gould deposit account no. 13-2725.

12/02/2003 AWONDAF1 00000125 10608583

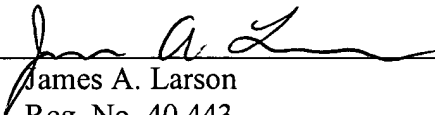
01 FC:1460

130.00 0P

If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicants' primary attorney-of record, James A. Larson (Reg. No. 40,443), at 612.336.4708.

Respectfully submitted,
MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, Minnesota 55402-0903
(612) 332-5300

Dated: November 27, 2003

By 
James A. Larson
Reg. No. 40,443





S/N 10/608,583

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Wurdell et al.	Examiner:	Unknown
Serial No.:	10/608,583	Group Art Unit:	1734
Filed:	June 23, 2003	Docket No.:	2968.230USU1
Title:	WASTELESS LAMINATOR		

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, Mail Stop Petition, P.O. Box 1450, Alexandria, VA 22313-1450 on November 25, 2003.

By: 

Name: Kate Gannon

DECLARATION UNDER 37 C.F.R. §1.47(a)

I, James A. Larson, residing at 2571 Knollwood Court N., Maplewood, MN 55109, declares as follows:

1. I am an attorney with Merchant & Gould P.C., in Minneapolis, Minnesota. Merchant & Gould P.C. represents DataCard Corporation (hereinafter "DataCard") with respect to the above referenced patent application.
2. Grant H. Wurdell is one of the named inventors in the above-referenced patent application. On or about September of 2002, Mr. Wurdell's employment with DataCard was terminated.
3. On August 11, 2003 I sent a copy of the application papers (including the specification, claims, drawings, and oath or declaration) to Mr. Wurdell by registered mail to Mr. Wurdell's last known address of:
4432 Tonkawood Road
Minnetonka, MN 55345.

Copies of the letter, application papers, and return mail receipt are enclosed. The letter contains an itemized listing of the papers that accompanied the letter.

4. On September 5, 2003, I telephoned Mr. Wurdell to inquire as to when I would receive the executed application papers. I left a message on the answering machine that picked up at the telephone number I had for Mr. Wurdell, asking Mr. Wurdell to call me back.

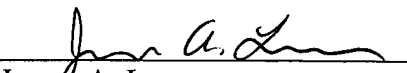
5. On September 9, 2003 Mr. Wurdell telephoned me. During my telephone conversation with Mr. Wurdell, he confirmed that he had received the application papers in my August 11, 2003 letter. In addition, Mr. Wurdell advised me that he would review the application papers, execute the application papers, and return the executed application papers to me.

6. On October 3, 2003 and on November 17, 2003, I again telephoned Mr. Wurdell to inquire as to when I would receive the executed application papers. On each occurrence, I left a message on the answering machine that picked up at the same telephone number I called in my September 5, 2003 phone call, requesting that Mr. Wurdell call me back with an indication as to when he would return the executed application papers.

7. As of the date of this declaration, my October 3 and November 17 telephone calls have not been returned by Mr. Wurdell, and I have not received the executed application papers from Mr. Wurdell.

8. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

Date: November 25, 2007


James A. Larson

Registered No.

RP727537809US

Date Stamp

0487

4/15 11 2003

Domestic Insurance up to \$25,000 is included in the fee. International Indemnity is limited. (See Reverse).

To Be Completed By Post Office

Reg. Fee \$	\$7.50	Return Receipt \$	\$1.75
Handling Charge \$	\$0.00	Restricted \$	
Postage \$	\$1.50	Delivery \$	\$0.00

Received by S. Myrick

Customer Must Declare Full Value \$

\$0.00

☐ With Postal Insurance
☒ Without Postal Insurance

To Be Completed By Customer (Please Print)
All Entries Must Be in Ballpoint or Typed

FROM

TO

J. Larson
3200 IDS Center
80 South Eighth Street
Mpls. Mn. 55402
Grant Wurdell
1132 Tonkawood Rd.
Minnetonka, Mn.
55345

PS Form 3806, June 2002

Receipt for Registered Mail

Copy 1 - Customer (See Information on Reverse)

For delivery information, visit our website at www.usps.com®

Merchant & Gould

An Intellectual Property Law Firm

3200 IDS Center
80 South Eighth Street
Minneapolis, Minnesota
55402-2215 USA
TEL 612.332.5300
FAX 612.332.9081
www.merchant-gould.com

A Professional Corporation

Direct Contact | 612.336.4708
| jlarson@merchant-gould.com

August 11, 2003

Grant Wurdell
4432 Tonkawood Road
Minnetonka, MN 55345

VIA Registered Return
Receipt Requested

Re: Our Ref. No. 2968.230-US-U1
U.S. Patent Application 10/608583 for: WASTELESS LAMINATOR

Requested Action:	Please execute the enclosed Declaration and Assignment and return the documents to me.
-------------------	--

Dear Mr. Wurdell:

Our firm, Merchant & Gould P.C. represents DataCard Corporation in various intellectual property matters. As you may recall, we had worked together on completing the above-referenced patent application for DataCard while you were employed at DataCard. DataCard now seeks your cooperation in executing certain documents so that the application formalities can be completed. The following documents are enclosed:

- 1) Copy of the application as filed including specification, claims and drawings;
- 2) Combined Declaration and Power of Attorney;
- 3) Assignment.

After reviewing the application, we request that you sign and date Document #2 (Combined Declaration and Power of Attorney) where indicated. We further request that you sign and date Document #3 (Assignment) and have it notarized. Once both documents are executed, please return them to me by return mail. A return envelope is enclosed for your convenience. If your address information is incorrect on these documents, please use a pen to cross out the incorrect information, write in the correct information, and initial and date in the margin next to the change.

Minneapolis/St. Paul
Denver
Seattle
Atlanta
Washington, DC

I look forward to receiving the executed documents from you in due course. If you have any questions, do not hesitate to contact me.

With best regards,

James A. Larson
Patent Agent

Enclosures: Application as filed (specification, claims, drawings)
Combined Declaration and Power of Attorney
Assignment

Cc: Cassandra Voigt, DataCard Corporation
Michael D. Schumann, Merchant & Gould

WASTELESS LAMINATOR

Priority Data

This application claims the benefit of Povisional Application No.
5 60/395,601, filed July 11, 2002, which is incorporated by reference herein in its entirety.

Field of the Invention

This invention relates to lamination equipment used to laminate data
bearing identification and financial documents, including plastic cards such as financial
(e.g. credit and debit) cards, drivers' licenses, national identification cards, and other
10 similar cards, as well other identification and financial documents, such as passports, by
applying a plastic top coat to the documents.

Background of the Invention

The use of laminated identification and financial documents, such as
15 financial (e.g. credit and debit) cards, drivers' licenses, national identification cards, and
other like cards, as well as passports and the like, is well known. The documents are
typically provided with one or more of printed characters and/or images, holographic
images, embossed characters, laser-produced information, and data storage media such
as an integrated circuit chip. To protect the document and the information provided
20 thereon, it is common to provide a top coat, comprising a plastic lamina, to the surface
of the document. The surface of the document covered by the topcoat is usually the
front surface of the document, but the rear surface can also be covered by a second
topcoat, or both the front and rear surfaces can be covered by topcoats.

It is generally preferable that the lamina have a size that approximates the
25 surface of the document so that the entire document surface is protected. A known
method for applying a topcoat to a document is to laminate to the document surface a
lamina that has a size greater than the size of the document surface. The edges of the
lamina that extend beyond the edges of the document are then trimmed or cut to the size
of the document. An example of an apparatus that cuts a laminate film to the size of the

underlying substrate is disclosed in U.S. Patent 5,653,846. A drawback to these types of apparatus is that they waste laminate material, as the excess laminate material that is cut must be thrown away or recycled. This increases production costs, as the amount of laminate material that is used is greater than the amount actually needed to cover the document.

Another known method for applying a topcoat to a document is to laminate to the document surface a lamina that has a size approximately equal to the size of the document surface. Because the size of the laminate is approximately equal to the size of the document, no cutting of the laminate down to the size of the document is necessary, thereby significantly reducing waste. Examples of these wasteless laminators are disclosed in U.S. Patents 5,783,024; 6,007,660; 6,159,327; 6,244,319; and 6,283,188, as well as WO 00/27634.

A drawback to conventional wasteless laminators is that they separate each lamina from the lamina supply roll a significant distance upstream from the lamination station. As a result, a transport mechanism is needed to transport the lamina after separation to the lamination station. The need for a transport mechanism increases the size and complexity, and thus the cost, of the laminator.

Therefore, there is a need for an improved wasteless laminator that has less complexity and size, and less cost, than conventional wasteless laminators.

Summary of the Invention

The invention relates to a wasteless lamination mechanism that laminates a topcoat or lamina onto a substrate, without requiring cutting of the lamina down to the size of the substrate. The substrate is preferably a card, such as an identification card, a credit card, or other CR80 size card. However, other substrates could be laminated using the teachings of the present invention.

In a preferred embodiment, a lamina to be laminated onto a substrate is separated from a web containing a plurality of lamina after lamination of the leading portion of the web to the substrate begins. As a result, the rollers of the lamination

station can be used to transport the lamina, thereby avoiding the need for a separate transport mechanism for transporting the lamina to the lamination station.

Preferably, the web comprises a plurality of laminae separated by lines of weakness, for example perforations or scoring. Each lamina can then be separated from the web by tearing along the line of weakness. In one embodiment, separation of a lamina is initiated by an actuatable initiation mechanism, with the rollers of the lamination station completing separation. In a second embodiment, the lamina is separated by a passive separation mechanism.

In one aspect of the invention, a lamination mechanism comprises a supply of web material containing a plurality of laminae, with the web material including a leading edge. A drive mechanism that is engageable with the web material drives the leading edge thereof toward and into a lamination station. Further, a lamina separation mechanism is provided to separate a lamina from the web material. The separation mechanism is preferably positioned such that separation of the lamina occurs after the leading edge of the lamina has been laminated to the substrate.

In another aspect of the invention, a method of laminating a substrate is provided. The method includes providing a lamination mechanism that has a supply of web material containing a plurality of laminae, with the web material including a leading edge, a lamination station including a staging position, and a drive mechanism engageable with the web material for driving the leading edge thereof toward and into the lamination station. The leading edge of the web material is advanced to the staging position, as is the substrate. The leading edge of the web material is then laminated to the substrate. Thereafter, a lamina is separated from the web material. The separated lamina includes the leading edge that has been laminated to the substrate. Thereafter, lamination of the lamina to the substrate is completed.

For a better understanding of the invention, its advantages and objects obtained by its use, reference should be made to the drawings which form a further part hereof, and to the accompanying description, in which there is described a preferred embodiment of the invention.

Brief Description of the Drawings

Figure 1 is a schematic view of a wasteless lamination mechanism according to the present invention.

Figure 2 illustrates a portion of the perforated supply roll that supplies
5 the laminates.

Figure 3 illustrates a laminate applied to a card substrate.

Figure 4 illustrates an alternate embodiment of a laminate applied to a card substrate.

Figure 5 illustrates an alternate embodiment of a wasteless lamination
10 mechanism according to the present invention.

Figure 6 sets forth the method of operation of the lamination mechanism.

Detailed Description of the Invention

The invention relates to a wasteless lamination mechanism for laminating a substrate with a protective plastic topcoat or lamina. Substrates with which
15 the invention is preferably used includes plastic cards, such as financial (e.g. debit and credit) cards, driver's licenses, and identification cards. However, the invention can also be used with other identification and/or financial document substrates, including passports, and other substrates that benefit from having a protective topcoat laminated thereto. For sake of convenience, the word "substrate" as used herein and in the claims
20 is intended to refer to and encompass each of these different types of documents. When a lamina is applied to a specific type of substrate, the name of the substrate will be recited.

The term "wasteless" as used herein means the application of a lamina to a substrate, where the size of the lamina is approximately equal to or less than the size
25 of the substrate, so that the lamina does not need to be cut or trimmed to remove lamina material overhanging one or more edges of the substrate. Further, the laminae are not carried by a carrier material, so there is no take-up roll to take-up the carrier material after the laminae are removed therefrom as is required in some conventional non-wasteless laminators.

With reference to Figure 1, a lamination mechanism 10 according to the present invention is illustrated. The mechanism 10 includes a lamina supply roll 12 that supplies the laminae that are to be laminated onto substrates. In Figure 1, the substrate is illustrated as being a card 14, such as a credit card or other CR80 size card, that is supplied to the lamination mechanism 10 from an upstream location via an infeed mechanism 15. The card 14 can be supplied directly from an input hopper containing a plurality of cards waiting to be laminated, in which case the lamination mechanism 10 is a stand alone system. The card 14 can also be supplied from a personalization mechanism, such as a printer, positioned upstream from the lamination mechanism 10 so that the card is laminated immediately after being personalized, in which case the lamination mechanism 10 is part of system that includes personalization capability.

The lamina supply roll 12 comprises a web 16 of plastic material from which an individual lamina to be laminated onto a substrate is provided. With reference to Figures 2 and 3, a portion of the web 16 is illustrated. The web 16 comprises a series of laminae 18a, 18b,...18n, with each lamina having a size that is slightly smaller than the size of the substrate, as is illustrated in Figure 3 which shows lamina 18 laminated to the card 14. The laminae are separated by weakened lines 20 of connection that permit each lamina to be separated from the remainder of the web 16. The weakened lines 20 preferably comprise perforations. The perforated lines 20 are preferably pre-formed in the web 16, although the mechanism 10 could be provided with a perforation mechanism that forms the perforated lines 20 at the appropriate locations on the web 16 after the roll 12 is loaded into the mechanism.

As shown in Figures 2 and 3, each lamina is preferably formed with radiused corners 22 that correspond to the radiused corners of the card 14. The use of radiused corners 22 on the lamina allow the lamina to more closely match the size of the card 14, thereby minimizing the gap created between the edges of the lamina and the edges of the card. The lamina could have square corners if desired, as shown by the lamina 18' in Figure 4. However, the use of square corners would result in larger gaps being created between the edges of the lamina and the edges of the card.

Returning now to Figure 1, the web 16 is directed through a pair of drive rollers 24a, 24b which are used to advance the web 16 toward a lamination station 26.

The lamination station 26 comprises a heated roller 28 and a roller 30 positioned opposite the heated roller. The rollers 28, 30 form a heated nip between which the lamina and the substrate pass during the lamination procedure. The rollers 28, 30 are driven by a motor 32, preferably a stepper motor, for advancing the substrate and lamina during lamination and driving the laminated substrate out of the mechanism 10.

The mechanism 10 further includes a lamina separation mechanism 34 positioned along the travel path of the web 16 between the drive rollers 24a, 24b and the lamination station 26. In the preferred embodiment illustrated in Figure 1, the mechanism 34 is an active mechanism that is actuated into contact with the web 16 to initiate separation of each lamina 18 from the web 16. The mechanism 34 preferably includes a finger 36 that is actuatable in a downward direction toward and into engagement with the web 16 to initiate separation of each lamina. After lamina separation is initiated, the finger 36 is retracted back to the position shown in Figure 1 waiting to be actuated when the next lamina is to be separated.

The mechanism 34 and finger 36 are positioned so that the finger 36 engages the web 16 along the perforated line 20 at a position 38 adjacent one edge of the web 16, as shown in Figure 2. This engagement initiates the separation. The remainder of the separation occurs as a result of the rollers 28, 30 pulling the leading portion of the lamina and the substrate through the lamination station 26, while at the same time the drive rollers 24a, 24b slow down or stop to provide a differential speed between the web 16 and the lamina to be separated from the web.

Other lamina separation mechanisms could be used within the scope of the invention. For example, a passive mechanism 34' could be used as shown in Figure 5. The passive mechanism 34' preferably resides between the drive rollers 24a, 24b and the lamination station 26, and is fixed in a position so that it engages the web 16 to initiate separation, with separation being completed by the rollers 28, 30.

A sensor 40, for example a reflective sensor, is provided to sense the leading edge of the web 16. The sensor 40 enables the lamina and the substrate to be aligned relative to one another to achieve proper lamination.

With reference now to Figure 5, the operation of the lamination mechanism 10 will be described. As an initial matter, at step 50, the supply roll 12 comprising the web 16 of laminae is loaded into the mechanism 10. Next, at step 52, the leading edge of the web 16 is then advanced by the drive rollers 24a, 24b to the lamination station 26. As the leading edge of the web 16 is being advanced, the sensor 40 senses the leading edge. The leading edge of the web 16 is advanced to a staging position slightly upstream from the heated nip between the rollers 28, 30. This keeps the leading edge of the web 16 outside of the heating zone in the nip to protect the lamina from degradation.

The substrate 14 is also advanced to the staging position, at step 54. By advancing both the leading edge of the web 16 and the substrate 14 to the staging position, alignment of the lamina and the substrate are achieved. The web and the substrate are then simultaneously driven into the heated nip, and the leading edge of the web is laminated to the substrate at step 56.

At step 58, the lamina is separated from the web 16. To achieve separation, as lamination progresses, the drive rollers 24a, 24b will stop and the separation mechanism will engage the web 16 along the perforated line 20 to initiate separation of a lamina from the web. Continued rotation of the rollers 28, 30 will complete the separation by finishing tearing of the lamina from the web 16 along the perforated line 20. Because separation of the lamina occurs between the drive rollers 24a, 24b and the lamination station 26, and the rollers 28, 30 are already engaged with the lamina, an additional transport mechanism for handling and transporting the lamina is avoided. Further, the drive rollers 24a, 24b remain engaged with the new leading edge of the web, so that a new lamination procedure can then begin.

At step 60, lamination of the lamina to the substrate is then completed. The laminated substrate can then be driven out of the mechanism 10 for subsequent handling, for example stacking within a hopper.

The mechanism 10 thus provides simple, wasteless lamination, without requiring cutting of the lamination material or requiring a mechanism to transport the lamina to the lamination station after separation. To further simplify operation of the mechanism 10, the supply roll 12 and drive rollers 24a, 24b can be provided in a
5 cassette structure 70, illustrated in dashed lines in Figure 1. The use of a cassette 70 simplifies loading of the supply roll, and facilitates alignment and smooth feeding of the web 16.

The above specification, examples and data provide a complete description of the invention. Many embodiments of the invention, not explicitly
10 described herein, can be made without departing from the spirit and scope of the invention.

WHAT IS CLAIMED IS:

1. A lamination mechanism, comprising:
a supply of web material containing a plurality of laminae, said web
5 material including a leading edge;
a lamination station;
a drive mechanism engageable with the web material for driving the
leading edge thereof toward and into the lamination station; and
a lamina separation mechanism that is positioned within the mechanism
10 at a position so that a lamina is separated from the web after the leading edge of the web
material is laminated to a substrate.
2. The lamination mechanism according to claim 1, wherein the
lamina separation mechanism is positioned between the drive mechanism and the
15 lamination station.
3. The lamination mechanism according to claim 1, further
including a sensor for sensing the leading edge of the web material.
- 20 4. The lamination mechanism according to claim 1, wherein said
web material comprises a plurality of laminae separated by lines of weakness.
5. The lamination mechanism according to claim 4, wherein the
lines of weakness are formed by perforations.
25
6. The lamination mechanism according to claim 4, wherein each
lamina has either radiused or square corners, and each said lamina has a size that
approximates a card-shaped substrate.

7. The lamination mechanism according to claim 4, wherein the lamina separation mechanism comprises a mechanism that is actuatable into engagement with the web material adjacent the lines of weakness.
- 5 8. The lamination mechanism according to claim 4, wherein the lamina separation mechanism comprises a structure that is fixed in position.
9. The lamination mechanism according to claim 1, wherein the lamination station comprises a pair of rollers, at least one of said rollers being heated,
10 and further including a motor in driving engagement with each said roller.
10. The lamination mechanism according to claim 1, wherein the drive mechanism comprises a pair of drive rollers.
- 15 11. The lamination mechanism according to claim 1, wherein the supply of web material and the drive mechanism are provided in a cassette.
12. A method of laminating a substrate, comprising:
providing a lamination mechanism that includes:
- 20 i) a supply of web material containing a plurality of laminae, said web material including a leading edge;
- ii) a lamination station including a staging position; and
- iii) a drive mechanism engageable with the web material for driving the leading edge thereof toward and into the
25 lamination station;
- advancing the leading edge of the web material to the staging position;
advancing the substrate to the staging position;
laminating the leading edge of the web material to the substrate;
separating a lamina from the web material, the lamina including the
30 leading edge that has been laminated to the substrate; and

completing lamination of the lamina to the substrate.

13. The method according to claim 12, wherein separating occurs between the drive mechanism and the lamination station.

5

14. The method according to claim 12, wherein separating comprises initiating separation of the lamina from the web material, and then completing separation.

10

15. The method according to claim 12, further including sensing the leading edge of the web material between the drive mechanism and the lamination station.

16. The method according to claim 12, comprising laminating a
15 substrate that is card-shaped.

17. The method according to claim 16, comprising laminating the card-shaped substrate with a lamina that has either radiused corners or square corners.

Abstract

A wasteless lamination mechanism that laminates a topcoat or lamina onto a substrate, without requiring cutting of the lamina down to the size of the substrate. The substrate is preferably a card, such as an identification card, a credit card, 5 or other CR80 size card. A lamina to be laminated onto a substrate is separated from a web containing a plurality of lamina after lamination of the leading portion of the web to the substrate begins. As a result, the rollers of the lamination station can be used to transport the lamina, thereby avoiding the need for a separate transport mechanism for transporting the lamina to the lamination station.

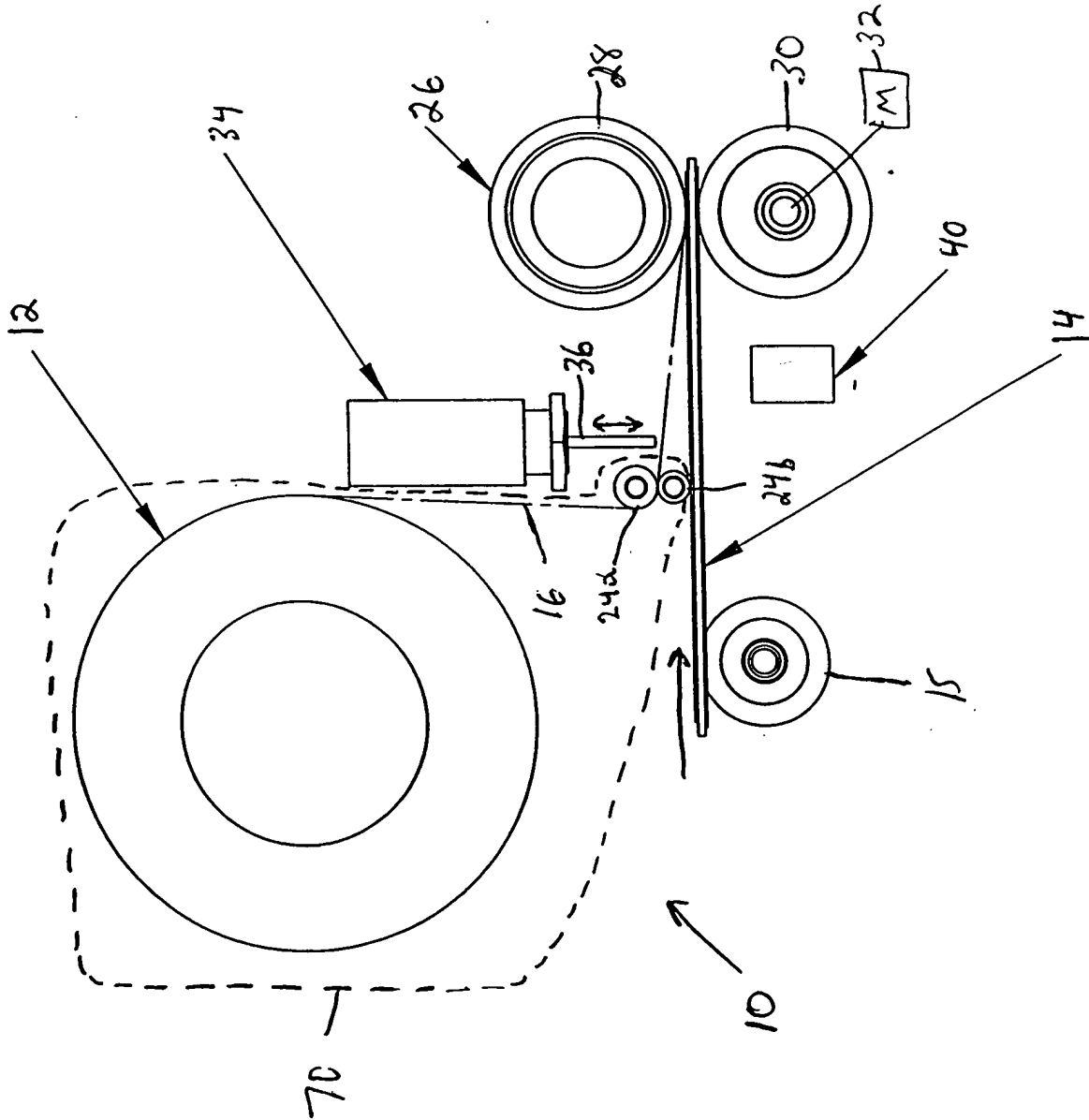


Fig. 1

Fig. 2

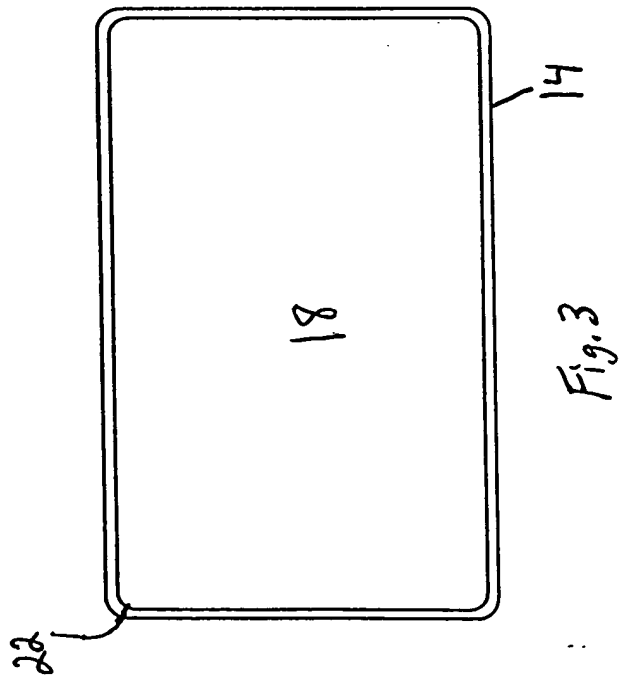
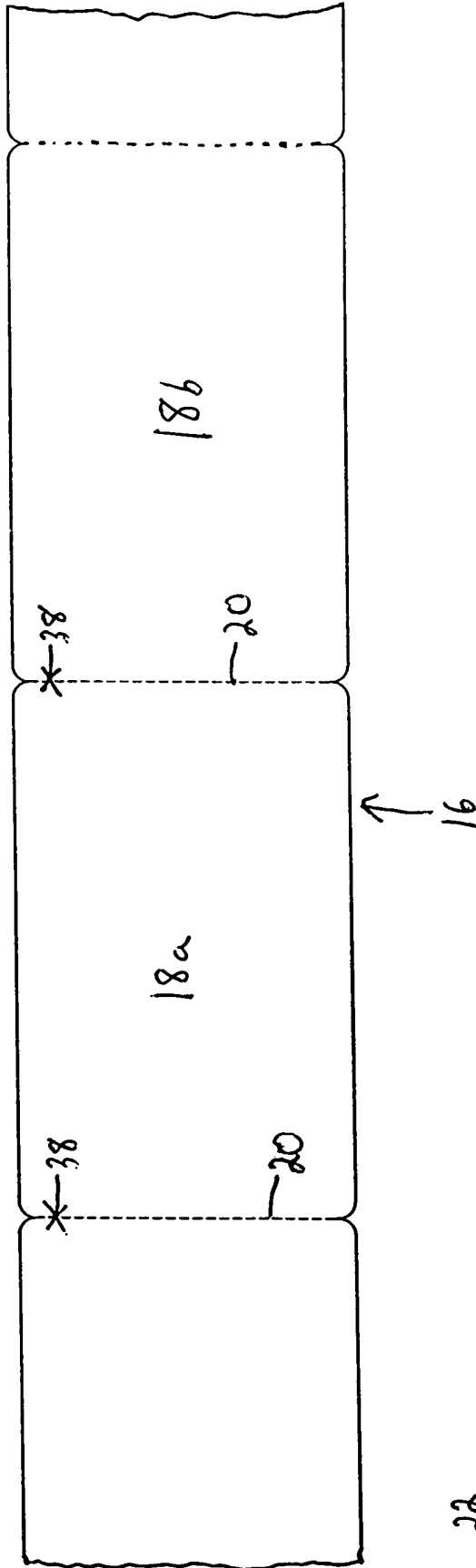


Fig. 3

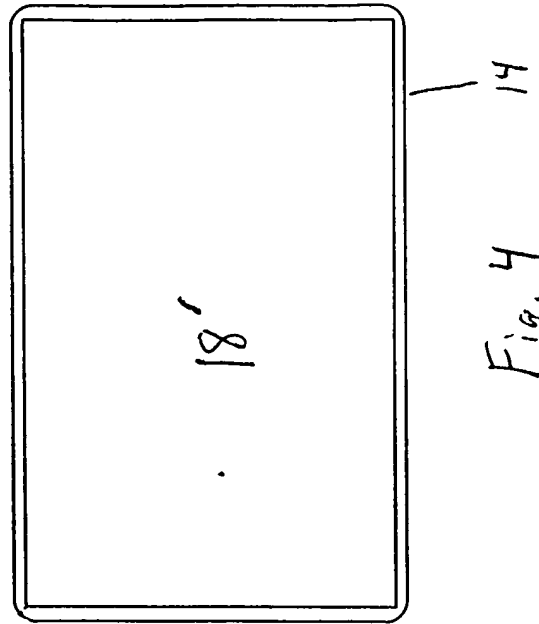


Fig. 4

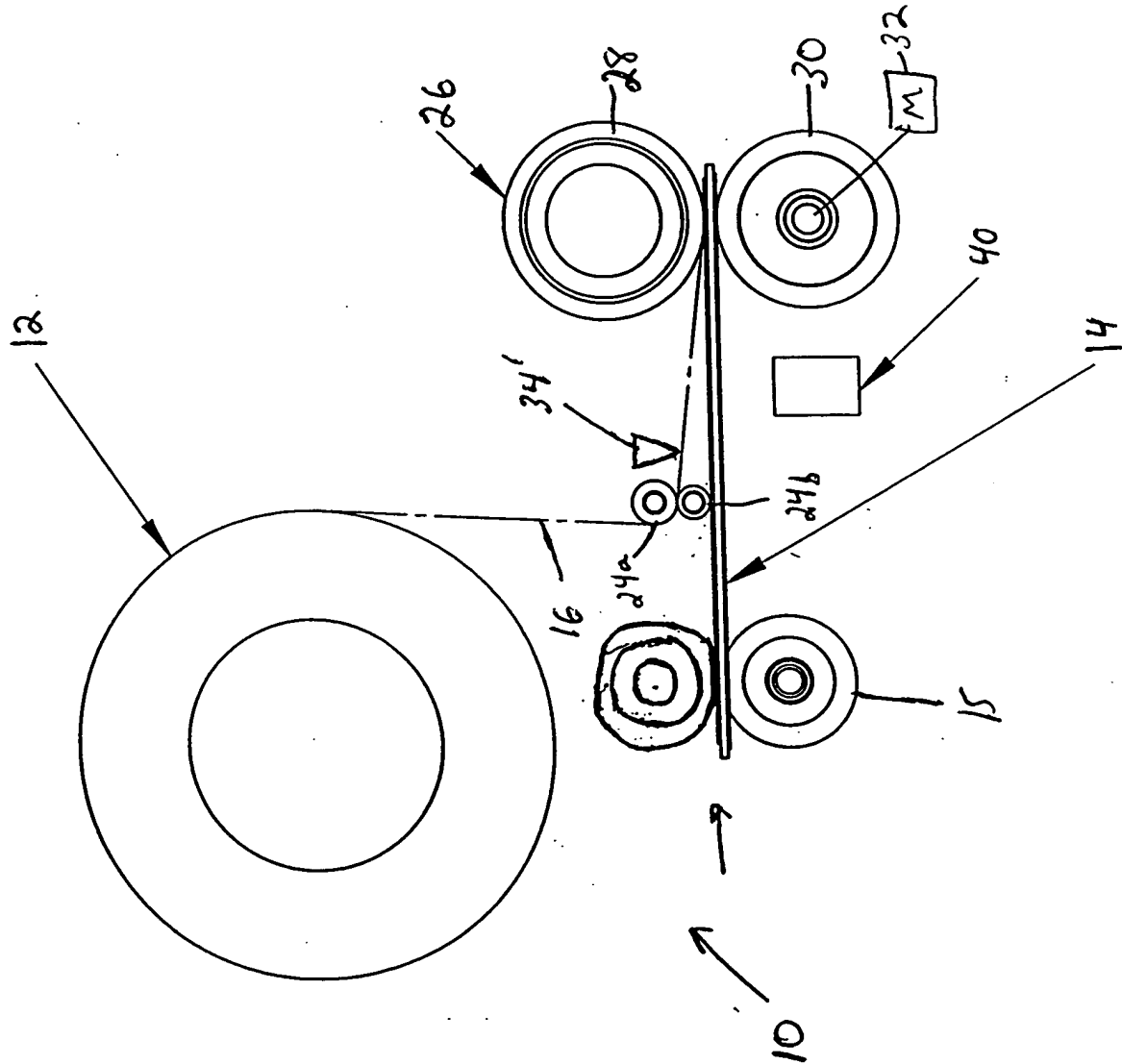
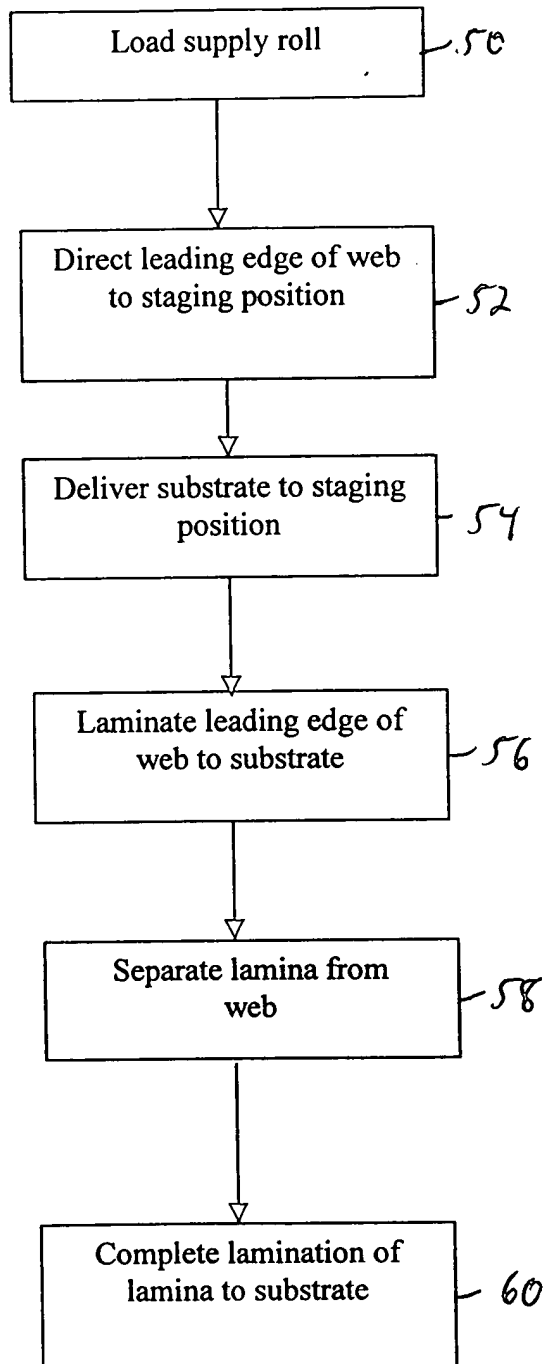


Fig. 5

FIG. 6



MERCHANT & GOULD P.C.

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: WASTELESS LAMINATOR

The specification of which

- a. ☐ is attached hereto
b. ☒ was filed on June 23, 2003 as application serial no. 10/608,583 and was amended on (if applicable) (in the case of a PCT-filed application) described and claimed in international no. filed and as amended on (if any), which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

- a. ☒ no such applications have been filed.
b. ☐ such applications have been filed as follows:

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC § 119			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)

ALL FOREIGN APPLICATION(S), IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (Day, Month, Year)
60/395,601	11 JULY 2002

I acknowledge the duty to disclose information that is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (reprinted below):

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

(1) prior art cited in search reports of a foreign patent office in a counterpart application, and

(2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

(1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim;

or

(2) It refutes, or is inconsistent with, a position the applicant takes in:

(i) Opposing an argument of unpatentability relied on by the Office, or

(ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application:

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

(e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Ali, M. Jeffer	Reg. No. 46,359	Lauer, Deakin T.	Reg. No. 47,892
Altera, Allan G.	Reg. No. 40,274	Leach III, Thomas J.	Reg. No. P-53,188
Anderson, Gregg I.	Reg. No. 28,828	Leonard, Christopher J.	Reg. No. 41,940
Batzli, Brian H.	Reg. No. 32,960	Lewis, George C.	Reg. No. 53,214
Beard, John L.	Reg. No. 27,612	Liepa, Mara E.	Reg. No. 40,066
Berns, John M.	Reg. No. 43,496	McDonald, Daniel W.	Reg. No. 32,044
Blackburn, Murrell W.	Reg. No. 50,881	McIntyre, Jr., William F.	Reg. No. 44,921
Bortolotti, Rebecca	Reg. No. 51,488	Mueller, Douglas P.	Reg. No. 30,300
Branch, John W.	Reg. No. 41,633	Nelson, Anna M.	Reg. No. 48,935
Brown, Jeffrey C.	Reg. No. 41,643	Parsons, Nancy J.	Reg. No. 40,364
Bruess, Steven C.	Reg. No. 34,130	Pauly, Daniel M.	Reg. No. 40,123
Byrne, Linda M.	Reg. No. 32,404	Peterson, Kyle T.	Reg. No. 46,989
Campbell, Keith	Reg. No. 46,597	Phillips, John B.	Reg. No. 37,206
Clifford, John A.	Reg. No. 30,247	Pino, Mark J.	Reg. No. 43,858
Cook, Jeffrey	Reg. No. 48,649	Qualey, Terry	Reg. No. 25,148
Daignault, Ronald A.	Reg. No. 25,968	Randall, Joshua N.	Reg. No. 50,719
Daley, Dennis R.	Reg. No. 34,994	Reich, John C.	Reg. No. 37,703
Daley, William J.	Reg. No. 52,471	Reiland, Earl D.	Reg. No. 25,767
Daulton, Julie R.	Reg. No. 36,414	Roath, Paul D.	Reg. No. 45,045
DeVries Smith, Katherine M.	Reg. No. 42,157	Schmaltz, David G.	Reg. No. 39,828
DiPietro, Mark J.	Reg. No. 28,707	Schuman, Mark D.	Reg. No. 31,197
Doscotch, Matthew A.	Reg. No. 48,957	Schumann, Michael D.	Reg. No. 30,422
Edell, Robert T.	Reg. No. 20,187	Scull, Timothy B.	Reg. No. 42,137
Epp Ryan, Sandra	Reg. No. 39,667	Sebald, Gregory A.	Reg. No. 33,280
Fitzsimmons, Karen A.	Reg. No. 50,470	Skoog, Mark T.	Reg. No. 40,178
Gadiano, Christina M.	Reg. No. 37,628	Sorge, Keith M.	Reg. No. 50,865
Gaffney, Matthew M.	Reg. No. 46,717	Stewart, Alan R.	Reg. No. 47,974
Goggin, Matthew J.	Reg. No. 44,125	Stoll-DeBell, Kirstin L.	Reg. No. 43,164
Golla, Charles E.	Reg. No. 26,896	Sullivan, Timothy	Reg. No. 47,981
Gorman, Alan G.	Reg. No. 38,472	Swenson, Erik G.	Reg. No. 45,147
Gotfredson, Garen J.	Reg. No. 44,722	Tellekson, David K.	Reg. No. 32,314
Gould, John D.	Reg. No. 18,223	Trembath, Jon R.	Reg. No. 38,344
Gregson, Richard	Reg. No. 41,804	Tunheim, Marcia A.	Reg. No. 42,189
Gresens, John J.	Reg. No. 33,112	Underhill, Albert L.	Reg. No. 27,403
Haack, John L.	Reg. No. 36,154	Vidovich, Kristin K.	Reg. No. 41,448
Hamre, Curtis B.	Reg. No. 29,165	Wahl, John R.	Reg. No. 33,044
Hennings, Mark	Reg. No. 48,982	Welter, Paul A.	Reg. No. 20,890
Hertzberg, Brett A.	Reg. No. 42,660	Whitaker, John E.	Reg. No. 42,222
Hillson, Randall A.	Reg. No. 31,838	Wiegand, Jamie	Reg. No. 52,361
Hope, Leonard J.	Reg. No. 44,774	Wier, David D.	Reg. No. 48,229
Hornsby, III, Alton	Reg. No. 47,299	Williams, Douglas J.	Reg. No. 27,054
Jacobson, Charles A.	Reg. No. 53,061	Withers, James D.	Reg. No. 40,376
Johns, Nicholas P.	Reg. No. 48,995	Wong, Bryan A.	Reg. No. 50,836
Johnston, Scott W.	Reg. No. 39,721	Wong, Thomas S.	Reg. No. 48,577
Kalinsky, Robert A.	Reg. No. 50,471	Xia, Tim Tingkan	Reg. No. 45,242
Kelly, Zachary J.	Reg. No. 53,108	Zeuli, Anthony R.	Reg. No. 45,255
Kettelberger, Denise	Reg. No. 33,924		
Keys, Jeramie J.	Reg. No. 42,724		
Knearl, Homer L.	Reg. No. 21,197		
Korver, Joshua W.	Reg. No. 51,894		
Kowalchyk, Alan W.	Reg. No. 31,535		
Kowalchyk, Katherine M.	Reg. No. 36,848		
Lamberty, Michael	Reg. No. 50,760		
Larson, James A.	Reg. No. 40,443		

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Merchant & Gould P.C. to the contrary.

I understand that the execution of this document, and the grant of a power of attorney, does not in itself establish an attorney-client relationship between the undersigned and the law firm Merchant & Gould P.C., or any of its attorneys.
Please direct all correspondence in this case to Merchant & Gould P.C. at the address indicated below:

Merchant & Gould P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903



I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2 0 1	Full Name Of Inventor	Family Name WURDELL	First Given Name GRANT	Second Given Name H.
	Residence & Citizenship	City MINNETONKA	State or Foreign Country MINNESOTA	Country of Citizenship USA
	Mailing Address	Address 4432 TONKAWOOD ROAD	City MINNETONKA	State & Zip Code/Country MINNESOTA 55345/USA
Signature of Inventor 201:			Date:	
2 0 2	Full Name Of Inventor	Family Name FITZSIMMONS	First Given Name STEVEN	Second Given Name J.
	Residence & Citizenship	City EDEN PRAIRIE	State or Foreign Country MINNESOTA	Country of Citizenship USA
	Mailing Address	Address 10298 EDINBURGH CIRCLE	City EDEN PRAIRIE	State & Zip Code/Country MINNESOTA 55347/USA
Signature of Inventor 202:			Date:	

ASSIGNMENT

WHEREAS, we, Grant H. Wurdell, residing at 4432 Tonkawood Road, Minnetonka, Minnesota 55345 and Steven J. Fitzsimmons, residing at 10298 Edinburgh Circle, Eden Prairie, Minnesota 55347, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on June 23, 2003, application Serial No. 10/608,583 which is entitled WASTELESS LAMINATOR.

AND WHEREAS, DataCard Corporation, a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at 11111 Bren Road West, Minnetonka, Minnesota 55343 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 20____.

STATE OF _____)
) ss.
COUNTY OF _____)

On this _____ day of _____, 20____, before me personally appeared Grant H. Wurdell to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

Notary Public

Receipt is hereby acknowledged for the following in the U.S. Patent and Trademark Office:

In re Application of: WURDELL ET AL.

For: WASTELESS LAMINATOR

Docket No.: 2968.230USU1

Filed: JUNE 23, 2003

Serial No.: 10/608,583

Due Date: NOVEMBER 25, 2003

Date Mailed: November 25, 2003

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Notice to File Missing Parts of NonProvisional Application - Part 2
- ☒ Signed Combined Declaration and Power of Attorney
- ☒ Check(s) in the amount of \$130.00 for Missing Parts Surcharge
- ☒ Other: Copy of Petition Under 37 CFR 147(a) and Declaration Under 37 CFR 147(a) with a Copy of August 11, 2003 Letter Including Specification, Claims, Drawings, Declaration, Assignment, and Copy of Registered Return Mail Receipt Filed Concurrently
- ☒ Return postcard

Patent

JLarson:PLSklg

CONTROL NO. **MG-41437**

Requestor:

Vendor # / Name: **1002 Director of the United States Patent and Trademark Office**

Check Date: **11/25/03**

Check # **417490**

VOUCHER	INV. #	DATE	ACCT / DEPT#	MATTER #	AMOUNT PAID
605727	kgannon	11-25-03	265001 10100000	HARD DISB PAYABLE - (EXP G/L) 02968.0230USU1	130.00

Detach Statement Before Depositing Check

Total 130.00

CHECK FACE HAS A COLORED BACKGROUND ON WHITE PAPER

MERCHANT & GOULD
A Professional Corporation
An Intellectual Property Law Firm
3200 IDS Center (612) 332-5300
Minneapolis, MN 55402-2215

No. 417490

Check Date: **11/25/2003**

PAY ONE HUNDRED THIRTY AND 00/100 DOLLARS

TO THE FOLLOWING
Director of the United States Patent and Trademark Office

Merchant & Gould P.C.

Alan W. Kowalechuk

Two Signatures Required For Amounts Exceeding \$5,000

CHECK AMOUNT \$ 130.00

BACK OF DOCUMENT CONTAINS A SECURITY SLOGAN "ORIGINAL DOCUMENT" TO VERIFY AUTHENTICITY

⑈417490⑈ ⑆075906003⑆ 00001⑈93270⑈

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	WURDELL ET AL.	Examiner:	UNKNOWN
Serial No.:	10/608,583	Group Art Unit:	1734
Filed:	JUNE 23, 2003	Docket:	2968.230USU1
Confirmation No.:	8408		
Due Date:	NOVEMBER 25, 2003		
Title:	WASTELESS LAMINATOR		

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 25, 2003.

By: 

Name: Kate Gannon

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

23552

PATENT TRADEMARK OFFICE

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Notice to File Missing Parts of NonProvisional Application - Part 2
- ☒ Signed Combined Declaration and Power of Attorney
- ☒ Check(s) in the amount of \$130.00 for Missing Parts Surcharge
- ☒ Other: Copy of Petition Under 37 CFR 147(a) and Declaration Under 37 CFR 147(a) with a Copy of August 11, 2003 Letter Including Specification, Claims, Drawings, Declaration, Assignment, and Copy of Registered Return Mail Receipt Filed Concurrently
- ☒ Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.
P.O. Box 2903, Minneapolis, MN 55402-0903
612.332.5300

By: 

Name: James A. Larson

Reg. No.: 40,443

JLarson:PLSklg

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

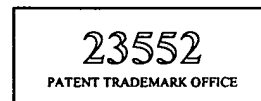
Applicant:	WURDELL ET AL.	Examiner:	UNKNOWN
Serial No.:	10/608,583	Group Art Unit:	1734
Filed:	JUNE 23, 2003	Docket:	2968.230USU1
Confirmation No.:	8408		
Due Date:	NOVEMBER 25, 2003		
Title:	WASTELESS LAMINATOR		

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 25, 2003.

By: 
Name: Kate Gannon

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



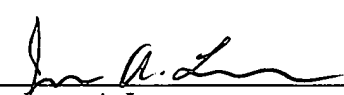
Sir:

We are transmitting herewith the attached:

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Notice to File Missing Parts of NonProvisional Application - Part 2
- ☒ Signed Combined Declaration and Power of Attorney
- ☒ Check(s) in the amount of \$130.00 for Missing Parts Surcharge
- ☒ Other: Copy of Petition Under 37 CFR 147(a) and Declaration Under 37 CFR 147(a) with a Copy of August 11, 2003 Letter Including Specification, Claims, Drawings, Declaration, Assignment, and Copy of Registered Return Mail Receipt Filed Concurrently
- ☒ Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.
P.O. Box 2903, Minneapolis, MN 55402-0903
612.332.5300

By: 
Name: James A. Larson
Reg. No.: 40,443
JLarson:PLSklg



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/608,583	06/23/2003	Grant H. Wurdell	2968.230USU1

23552
 MERCHANT & GOULD PC
 P.O. BOX 2903
 MINNEAPOLIS, MN 55402-0903

CONFIRMATION NO. 8408

FORMALITIES LETTER



OC000000010919501

Date Mailed: 09/25/2003

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted***Items Required To Avoid Abandonment:**

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$130** for a Large Entity

- **\$130** Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts
 Commissioner for Patents
 P.O. Box 1450
 Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

MERCHANT & GOULD P.C.

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: WASTELESS LAMINATOR

The specification of which

a. ☐ is attached hereto

b. ☒ was filed on June 23, 2003 as application serial no. 10/608,583 and was amended on (if applicable) (in the case of a PCT-filed application) described and claimed in international no. filed and as amended on (if any), which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

a. ☒ no such applications have been filed.

b. ☐ such applications have been filed as follows:

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC § 119			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
ALL FOREIGN APPLICATION(S), IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (Day, Month, Year)
60/395,601	11 JULY 2002

I acknowledge the duty to disclose information that is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (reprinted below):

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
 - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim;
- or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
- (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.
- (e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Ali, M. Jeffer	Reg. No. 46,359	Lauer, Deakin T.	Reg. No. 47,892
Altera, Allan G.	Reg. No. 40,274	Leach III, Thomas J.	Reg. No. P-53,188
Anderson, Gregg I.	Reg. No. 28,828	Leonard, Christopher J.	Reg. No. 41,940
Batzli, Brian H.	Reg. No. 32,960	Lewis, George C.	Reg. No. 53,214
Beard, John L.	Reg. No. 27,612	Liepa, Mara E.	Reg. No. 40,066
Berns, John M.	Reg. No. 43,496	McDonald, Daniel W.	Reg. No. 32,044
Blackburn, Murrell W.	Reg. No. 50,881	McIntyre, Jr., William F.	Reg. No. 44,921
Bortolotti, Rebecca	Reg. No. 51,488	Mueller, Douglas P.	Reg. No. 30,300
Branch, John W.	Reg. No. 41,633	Nelson, Anna M.	Reg. No. 48,935
Brown, Jeffrey C.	Reg. No. 41,643	Parsons, Nancy J.	Reg. No. 40,364
Bruess, Steven C.	Reg. No. 34,130	Pauly, Daniel M.	Reg. No. 40,123
Byrne, Linda M.	Reg. No. 32,404	Peterson, Kyle T.	Reg. No. 46,989
Campbell, Keith	Reg. No. 46,597	Phillips, John B.	Reg. No. 37,206
Clifford, John A.	Reg. No. 30,247	Pino, Mark J.	Reg. No. 43,858
Cook, Jeffrey	Reg. No. 48,649	Qualey, Terry	Reg. No. 25,148
Daignault, Ronald A.	Reg. No. 25,968	Randall, Joshua N.	Reg. No. 50,719
Daley, Dennis R.	Reg. No. 34,994	Reich, John C.	Reg. No. 37,703
Daley, William J.	Reg. No. 52,471	Reiland, Earl D.	Reg. No. 25,767
Daulton, Julie R.	Reg. No. 36,414	Roath, Paul D.	Reg. No. 45,045
DeVries Smith, Katherine M.	Reg. No. 42,157	Schmaltz, David G.	Reg. No. 39,828
DiPietro, Mark J.	Reg. No. 28,707	Schuman, Mark D.	Reg. No. 31,197
Doscotch, Matthew A.	Reg. No. 48,957	Schumann, Michael D.	Reg. No. 30,422
Edell, Robert T.	Reg. No. 20,187	Scull, Timothy B.	Reg. No. 42,137
Epp Ryan, Sandra	Reg. No. 39,667	Sebald, Gregory A.	Reg. No. 33,280
Fitzsimmons, Karen A.	Reg. No. 50,470	Skoog, Mark T.	Reg. No. 40,178
Gadiano, Christina M.	Reg. No. 37,628	Sorge, Keith M.	Reg. No. 50,865
Gaffney, Matthew M.	Reg. No. 46,717	Stewart, Alan R.	Reg. No. 47,974
Goggin, Matthew J.	Reg. No. 44,125	Stoll-DeBell, Kirstin L.	Reg. No. 43,164
Golla, Charles E.	Reg. No. 26,896	Sullivan, Timothy	Reg. No. 47,981
Gorman, Alan G.	Reg. No. 38,472	Swenson, Erik G.	Reg. No. 45,147
Gotfredson, Garen J.	Reg. No. 44,722	Tellekson, David K.	Reg. No. 32,314
Gould, John D.	Reg. No. 18,223	Trembath, Jon R.	Reg. No. 38,344
Gregson, Richard	Reg. No. 41,804	Tunheim, Marcia A.	Reg. No. 42,189
Gresens, John J.	Reg. No. 33,112	Underhill, Albert L.	Reg. No. 27,403
Haack, John L.	Reg. No. 36,154	Vidovich, Kristin K.	Reg. No. 41,448
Hamre, Curtis B.	Reg. No. 29,165	Wahl, John R.	Reg. No. 33,044
Hennings, Mark	Reg. No. 48,982	Welter, Paul A.	Reg. No. 20,890
Hertzberg, Brett A.	Reg. No. 42,660	Whitaker, John E.	Reg. No. 42,222
Hillson, Randall A.	Reg. No. 31,838	Wiegand, Jamie	Reg. No. 52,361
Hope, Leonard J.	Reg. No. 44,774	Wier, David D.	Reg. No. 48,229
Hornsby, III, Alton	Reg. No. 47,299	Williams, Douglas J.	Reg. No. 27,054
Jacobson, Charles A.	Reg. No. 53,061	Withers, James D.	Reg. No. 40,376
Johns, Nicholas P.	Reg. No. 48,995	Wong, Bryan A.	Reg. No. 50,836
Johnston, Scott W.	Reg. No. 39,721	Wong, Thomas S.	Reg. No. 48,577
Kalinsky, Robert A.	Reg. No. 50,471	Xia, Tim Tingkan	Reg. No. 45,242
Kelly, Zachary J.	Reg. No. 53,108	Zeuli, Anthony R.	Reg. No. 45,255
Kettelberger, Denise	Reg. No. 33,924		
Keys, Jeramie J.	Reg. No. 42,724		
Knearl, Homer L.	Reg. No. 21,197		
Korver, Joshua W.	Reg. No. 51,894		
Kowalchyk, Alan W.	Reg. No. 31,535		
Kowalchyk, Katherine M.	Reg. No. 36,848		
Lamberty, Michael	Reg. No. 50,760		
Larson, James A.	Reg. No. 40,443		

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Merchant & Gould P.C. to the contrary.

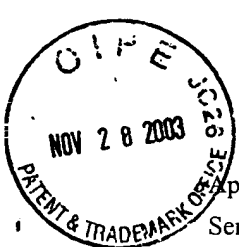
I understand that the execution of this document, and the grant of a power of attorney, does not in itself establish an attorney-client relationship between the undersigned and the law firm Merchant & Gould P.C., or any of its attorneys.
Please direct all correspondence in this case to Merchant & Gould P.C. at the address indicated below:

Merchant & Gould P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903



I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2	Full Name Of Inventor	Family Name WURDELL	First Given Name GRANT	Second Given Name H.
0	Residence & Citizenship	City MINNETONKA	State or Foreign Country MINNESOTA	Country of Citizenship USA
1	Mailing Address	Address 4432 TONKA WOOD ROAD	City MINNETONKA	State & Zip Code/Country MINNESOTA 55345/USA
Signature of Inventor 201:				Date:
2	Full Name Of Inventor	Family Name FITZSIMMONS	First Given Name STEVEN	Second Given Name J.
0	Residence & Citizenship	City EDEN PRAIRIE	State or Foreign Country MINNESOTA	Country of Citizenship USA
2	Mailing Address	Address 10298 EDINBURGH CIRCLE	City EDEN PRAIRIE	State & Zip Code/Country MINNESOTA 55347/USA
Signature of Inventor 202: <i>Steven J Fitzsimmons</i>				Date: 8/14/03



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DAE/#

Applicant: WURDELL ET AL. Examiner: UNKNOWN
Serial No.: 10/608,583 Group Art Unit: 1734
Filed: JUNE 23, 2003 Docket: 2968.230USU1
Confirmation No.: 8408
Due Date: NOVEMBER 25, 2003 (Missing
Parts Date)
Title: WASTELESS LAMINATOR

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 25, 2003.

By: 

Name: Kate Gannon

Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

23552

PATENT TRADEMARK OFFICE

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☒ Petition Under 37 C.F.R. 1.47(a), Declaration Under 37 C.F.R. 1.47(a) with a Copy of August 11, 2003 Letter Including Specification, Claims, Drawings, Declaration, Assignment, and Copy of Registered Return Mail Receipt
- ☒ Check(s) in the amount of \$130.00 for Petition Fee
- ☒ Other: Copy of Missing Parts Documents Filed Concurrently
- ☒ Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.
P.O. Box 2903, Minneapolis, MN 55402-0903
612.332.5300

By: 

Name: James A. Larson

Reg. No.: 40,443

JLarson:PLSklg